

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/03608

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 C25D21/18 C25D9/08 H01L21/368

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 C25D C02F H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KURANOUCHI S ET AL: "Study of one-step electrodeposition condition for preparation of CuIn(Se,S)2 thin films" SOLAR ENERGY MATERIALS AND SOLAR CELLS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 50, no. 1-4, 1998, pages 31-36, XP004102488 ISSN: 0927-0248	1
A	page 5, paragraph 1 page 6, paragraph 3	9
Y	US 4 253 919 A (HALL DALE E ET AL) 3 March 1981 (1981-03-03)	1
A	column 3, paragraph 2	6
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the international search

28 April 2004

Date of mailing of the international search report

07/05/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 687 559 A (COBURN ARTHUR E ET AL) 18 August 1987 (1987-08-18) examples ---	2-5
A	US 5 510 040 A (MILLER THOMAS M ET AL) 23 April 1996 (1996-04-23) column 1, paragraph 3 column 5, paragraph 2 ---	2-5
A	US 5 071 568 A (BENNETT CHARLES R ET AL) 10 December 1991 (1991-12-10) column 2, line 55-65 column 3, line 45-63 example 2 ---	2-5
A	GUILLEN C ET AL: "CATHODIC ELECTRODEPOSITION OF CUINSE2 THIN FILMS" THIN SOLID FILMS, ELSEVIER-SEQUOIA S.A. LAUSANNE, CH, vol. 195, no. 1 / 2, 1991, pages 137-146, XP000177084 ISSN: 0040-6090 page 2, paragraph 2 page 5, paragraph 2 ---	9
A	YAMAMOTO A ET AL: "Composition control of electrodeposited Cu-In-Se layers for thin film CuInSe <sub>2</sub> preparation" SOLAR ENERGY MATERIALS AND SOLAR CELLS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 50, no. 1-4, 1998, pages 25-30, XP004102487 ISSN: 0927-0248 -----	

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 4253919	A	03-03-1981	EP JP	0032463 A1 56112076 A		22-07-1981 04-09-1981
US 4687559	A	18-08-1987	CA	1235577 A1		26-04-1988
US 5510040	A	23-04-1996	NONE			
US 5071568	A	10-12-1991	AU MX WO	8940391 A 9101838 A1 9207798 A1		26-05-1992 05-06-1992 14-05-1992

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